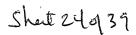
GEOTECHNICAL UNIT FIELD SCOUR REPORT

PROJECT: <u>33375.1.1</u>	ID: <u>B-4007</u>	_COUNTY:	Alleghany	
DESCRIPTION(1):	Bridge No. 38 over Crab Cree	ek on NC 18		
INFORMATION ON E	XISTING BRIDGES Inform	ation obtained		field inspection microfilm(Reel: Pos:) other
COUNTY BRIDGE NO.	38 BRIDGE LENGTH 136	NO. BENTS	IN: CHANNEL	2 FLOOD PLAIN 2
FOUNDATION TYPE:	Concrete Piers			
EVIDENCE OF SCO	OUR(2):			*
ABUTMENTS OR END E	BENT SLOPES: Mino	or Sloughing at	End Bent-2 out	side of Wing Walls
INTERIOR BENTS:	Scour pockets approximately	1 foot deep on	downstream sid	de of interior Bent-1
	Minor sloughing along north a			
EXISTING SCOUR F		od Dougt O		
	d boulders near Bent-2 and Er oe			
EFFECTIVENESS(5):				
OBSTRUCTIONS(6) (DA	MS,DEBRIS,ETC.): None	e in immediate a	area of bridge b	pents
DESIGN INFORMAT	<u>TION</u>			
CHANNEL BED MATERI	AL(7) (SAMPLE RESULTS AT	TTACHED): _	A-1-b fine to	coarse sand with cobbles
CHANNEL BANK MATER	RIAL(8) (SAMPLE RESULTS A	ATTACHED): _	A-3 fine to co	arse sand
CHANNEL BANK COVER	R(9): Grass underbrush and t	rees		
FLOOD PLAIN WIDTH(1	0): 100 feet		~	
FLOOD PLAIN COVER(1	1): Trees on Stream Banks	, Farm Land an	d Grasses	



DE	SIGN INFORMATION CONT.	PAGE 2
STI	REAM IS DEGRADINGX AGGRADING (12)	
ОТ	HER OBSERVATIONS AND COMMENTS:	
СН	IANNEL MIGRATION TENDENCY (13):to the south	
	REPORTED BY: DATE: 06/09/2005	<u>.</u>
GE	OTECHNICALLY ADJUSTED SCOUR ELEVATION (14):	
***************************************	The following GASE are based on the Bridge Survey and Hydraulic Design report dated 10/11/0	04.
	Location 100 yr 500yr	
***************************************	B1-A 2405.6' 2405.5'	
	B1-B 2404.7' 2404.6'	
	REPORTED BY: DATE: 07/26/2005	-
(1) (2)	GIVE THE DESCRIPTION OF THE SPECIFIC SITE GIVING ROUTE NUMBER AND BODY OF WATER CROSSED. NOTE ANY EVIDENCE OF SCOUR AT THE EXISTING END BENTS OR ABUTMENTS (UNDERMINING, SLOUGHING, SCOUR LOCATIONS, DEGRADATIONS, ETC.)	
(3) (4) (5)	NOTE ANY EXISTING SCOUR PROTECTION (RIP RAP, ETC.) DESCRIBE THE EXTENT OF ANY EXISTING SCOUR PROTECTION. DESCRIBE WHETHER OR NOT THE SCOUR PROTECTION APPEARS TO BE WORKING.	
(6) (7)	NOTE ANY DAMS, FALLEN TREES, DEBRIS AT BENTS, ETC. DESCRIBE THE CHANNEL BED MATERIAL: A SAMPLE SHOULD BE TAKEN FOF A-1-b fine to coarse sand with cobbles ATTACH LAB RESULTS.	
(8)	DESCRIBE THE CHANNEL BANK MATERIAL: A SAMPLE SHOULD BE TAKEN F(A-3 fine to coarse sand DISTRIBUTION, ATTACH LAB RESULTS.	
(9) (10) (11) (12) (13) (14)	DESCRIBE THE FLOOD PLAIN COVERII Trees on Stream Banks, Farm Land and Grasses CHECK THE APPROPRIATE SPACE AS TO WHETHER THE STREAM IS DEGRADING OR AGGRADING DESCRIBE THE POTENTIAL OF THE BODY OF WATER TO MIGRATE LATERALLY DURING THE LIFE OF THE BRIDGE (APPROXIMATELY 100 YEARS).	

STRUCTURES; OTHER TESTS DEEMED APPROPRIATE; AND OVERALL GEOLOGIC CONDITIONS AT THE SITE.